

NISTTech**READOUT FOR ARRAYS OF SUPERCONDUCTING NANOWIRE DETECTORS**

Docket No.14-005**Abstract**

<p>A two-dimensional array of superconducting nanowire detectors (pixels) is arranged in rows and columns. Each pixel in a row is connected by a common wire, and each pixel in a column connected by a common wire. Each of the detectors is current biased through the column and row connections. When an event is detected in the nanowire, the current flowing through the detector is rerouted. The rerouting of the signal can be detected using row and column amplifiers, thus identifying the location of an event</p>

Inventors

- Nam, Sae Woo

Status of Availability

This invention is available for licensing exclusively or non-exclusively in any field of use.

Last Modified: 08/08/2014